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(21)Application number : 04-126776 (71)Applicant : NIPPON STEEL CHEM CO LTD
(22)Date of filing : 20.04.1992 (72)Inventor : FURUMOTO MASASHI
JIMI KAZUYOSHI

(54) PRODUCTION OF BISPHENOL COMPOUNDS

(57)Abstract:
PURPOSE: To improve the yield, reaction rate, selectivity, etc., of the bisphenol compound by modifying an acidic cation exchange resin charged into a reactor and used for the reaction with a nitrogen-containing sulfur compound so as to give an uniform modification degree over whole packed bed.
CONSTITUTION: A method for producing the bisphenol compound such as bisphenol A by charging raw material containing a carbonyl compound such as acetone and a phenol compound into a reactor filled in with an acidic cation exchange resin and reacting the raw materials with each other comprises once intermitting the reaction, charging a solution into the reactor for modifying the acidic cation exchange resin with a nitrogen-containing sulfur compound, and then restarting the reaction. The solution is produced by dissolving an acid and the nitrogen-containing sulfur compound in a solvent. The method enables to readily improve the performance of the acidic cation exchange resin, to improve the yield, selectivity, etc., of the bisphenol compound, and further to reduce or eliminate a mercaptan to be added to the raw materials.

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